

QP Code: 106327

Reg No: .....

**First Year M.Pharm Degree Examinations August 2017**

**(Pharmaceutics)**

**Paper II – Biopharmaceutics and Pharmacokinetics**

**Time: 3 hrs**

**Maximum Marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x20 =40)**

1. Define pharmacokinetics and therapeutic index. Explain in detail about pharmacokinetic variability.
2. Name the methods for determining bioavailability of a drug from its dosage form. Explain in detail about Clinical applications of Pharmacokinetic data in dose adjustment.

**Short Essays:**

**(6x10=60)**

3. Physicochemical factors affecting drug absorption with examples
4. r-DNA technology and pharmaceutical applications.
5. Polymorphism with examples.
6. Gene therapy.
7. Discuss about the non-linear kinetics.
8. Bioequivalence protocols.

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